

IPLM Group, P.A.
 P.O. Box 18455
 Minneapolis, MN 55418
 612-331-7400 telephone
 612-331-7401 facsimile

PATENT

Attorney Docket No.	Serial No.
55421US023	10/690,425

FACSIMILE TRANSMITTAL LETTER

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

TOTAL NO. OF PAGES: 53
 Sent to Facsimile No.: 703-872-9310
 Examiner Phone No.:

In re Application of:	Junkang J. Liu, Bettie C. Fong and Bruce D. Kluge		
Serial No.:	10/690,425	Art Unit:	Unknown
Confirmation No.:	Unknown	Art Unit in Parent:	1773
Filed:	October 21, 2003	Examiner:	Unknown
For:	ANTISOILING HARDCOAT	Examiner in Parent:	Vivian Chen

We are transmitting the following documents:
 Facsimile Transmittal Letter [1 page]
 Fee Transmittal for FY 2004 [1 page]
 Preliminary Amendment [5 pages]
 Information Disclosure Statement [2 pages]
 Form PTO 1449 [2 pages] and two of the foreign references listed thereon [37 pages]
 International Search Report for PCT/US 01/00996 [5 pages]

OFFICIAL

Please charge Deposit Account 13-3723 for any fees under 37 CFR §1.16 and §1.17 that may be required during the pendency of this application. This authorization includes the fee for any extension of time under 37 CFR §1.136(a) that may be necessary. To the extent any such extension should become necessary it is hereby requested.

Respectfully submitted,

Registration No. 29,524	Direct Dial 612-331-7412	<i>RECEIVED</i>
Date: November 25, 2003		David R. Cleveland

Certificate of Facsimile Transmission

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To Facsimile Number 703-872-9310	Signature <i>Lynelle K. Grube</i>
Date November 25, 2003	Printed Name Lynelle K. Grube

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PTO/SB/17 (10-03)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT **(\$)** 172.00

Complete if Known

Application Number	10/690,425
Filing Date	October 21, 2003
First Named Inventor	Junkang J. Liu
Examiner Name	unknown
Art Unit	unknown
Attorney Docket No.	55421US023

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None
 Deposit Account:

13-3723

3M Innovative Properties Co.

The Director is authorized to: (check all that apply)
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 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,620	1812	2,520	Filing a request for ex parte reexamination	
1804	920*	1804	820*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	280	2403	145	Request for oral hearing	
1451	1,610	1451	1,510	Petition to Institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	840	2603	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1808	180	1808	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.128(e))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	365	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination or a design application	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
13	-20** = 0	X	=
Independent Claims	5	- 3** = 2	X 85 = 172.00
Multiple Dependent			

SUBTOTAL (2) (\$) 172.00

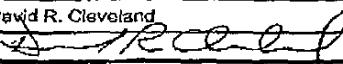
** or number previously paid, if greater. For Reissues, see above

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

(Complete if applicable)

Name (Print/Type)	David R. Cleveland	Registration No. (Attorney/Agent)	29,524	Telephone	612-331-7412
Signature				Date	November 25, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

MCH
11/24/2003

Patent
Docket No.: 55421US023

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Junkang J. Liu, Bettie C. Fong, and
Bruce D. Kluge

Serial No.: 10/690,425

Filed: October 21, 2003
For: ANTI SOILING HARDCOAT

Group Art Unit:	Unknown
Group Art Unit in	1773
Parent:	
Examiner:	Unknown
Examiner in Parent:	Vivian Chen

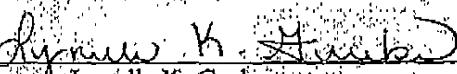
PRELIMINARY AMENDMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

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Facsimile Number: 703-872-9310

Date: November 25, 2003

By 
Lynelle K. Grube

Dear Sir:

Introductory Comments

Prior to taking up examination of the present application, please amend the claims in the Substitute Specification as shown below.